

WHAT IS CLAIMED IS:

1 1. A node of a communications network which dynamically establishes one or
2 more access bearers to a stationary equipment unit which is connected to the node by an
3 essentially fixed location physical link.

1 2. A node of a communications network which dynamically establishes one or
2 more access bearers to a stationary equipment unit which is connected to the node by an
3 essentially fixed location physical link, differing ones of the multiple access bearers
4 being configured for utilization by differing types of media services.

1 3. The apparatus of claim 2, wherein the one or more access bearers carry
2 connections for plural services of its associated type of media service.

1 4. A node of a communications network which dynamically establishes plural
2 access bearers to a stationary equipment unit which is connected to the node by an
3 essentially fixed location physical link, the access bearers providing different types of
4 services to the stationary equipment unit, the different types of services including one
5 of voice services, video services, and data traffic services.

1 5. A node of a communications network comprising:
2 a port by which the node is connectable by an essentially fixed location physical
3 link to a stationary equipment unit;
4 a connection control unit which dynamically establishes one or more access
5 bearers for providing services to the stationary equipment unit;
1 a bearer service processing unit which maps the access bearers into packets of a
2 transport protocol of the essentially fixed location physical link.

1 6. The apparatus of claims 1, 2, 4, or 5, wherein the node establishes multiple
2 simultaneous access bearers.

1 7. The apparatus of claims 1, 2, 4, or 5, wherein the multiple access bearers do
2 not necessarily have a same bandwidth and a same quality of service capabilities.

1 8. The apparatus of claims 1, 2, 4, or 5, wherein the multiple access bearers do
2 not have a same bandwidth and a same quality of service capabilities.

1 9. The apparatus of claims 1, 2, 4, or 5, wherein the multiple simultaneous
2 access bearers include both circuit switched access bearers and packet switched access
3 bearers.

1 10. The apparatus of claims 1, 2, or 5, wherein the node establishes access
2 bearers for providing different types of services to the stationary equipment unit, the
3 different types of services including one of voice services, video services, and data
4 traffic services.

1 11. The apparatus of claims 1, 2, 4, or 5, wherein the essentially fixed location
2 physical link is one of the following: (1) a wire line link; (2) an optical link; (3) a
3 radio link of a radio access network which does not involve mobility management.

1 12. The apparatus of claim 5, wherein the packets of the transport protocol are
2 one of Internet Transport Protocol (IP) packets and Asynchronous Transfer Mode
3 (ATM) packets.

1 13. The apparatus of claim 5, wherein the bearer service processing unit maps
2 the multiple access bearers into packets of the transport protocol of the essentially fixed
3 location physical link.

1 14. A method of operating a communications network comprising:
2 connecting a stationary equipment unit to an access interface node by an
3 essentially fixed location physical link;
4 dynamically establishing one or more access bearers for providing services to
5 the stationary equipment unit;
1 mapping the access bearers into packets of a transport protocol of the essentially
2 fixed location physical link.

1 15. A method of operating a communications network comprising:
2 connecting a stationary equipment unit to an access interface node by an
3 essentially fixed location physical link;

4 dynamically establishing one or more access bearers for providing services to
5 the stationary equipment unit, differing ones of the multiple access bearers being
6 configured for utilization by differing types of media services;

1 mapping the access bearers into packets of a transport protocol of the essentially
2 fixed location physical link.

1 16. The method of claim 15, further comprising carrying, on at least one of the
2 multiple access bearers, connections for plural services of its associated type of media
3 service.

1 17. A method of operating a communications network comprising:
2 connecting a stationary equipment unit to an access interface node by an
3 essentially fixed location physical link;
4 dynamically establishing plural access bearers for providing services to the
5 stationary equipment unit, the access bearers providing different types of services to the
6 stationary equipment unit, the different types of services including one of voice
7 services, video services, and data traffic services
1 mapping the plural access bearers into packets of a transport protocol of the
2 essentially fixed location physical link.

1 18. The method of claims 14, 15, or 17, further comprising establishing multiple
2 simultaneous access bearers to the stationary equipment unit.

1 19. The method of claim 14, 15, or 17, further comprising configuring the
2 multiple simultaneous access bearers to have different bandwidths and different quality
3 of service capabilities.

1 20. The method of claim 14, 15, or 17, wherein the multiple simultaneous
2 access bearers include both circuit switched access bearers and packet switched access
3 bearers.

1 21. The method of claim 14 or 15, further comprising establishing access
2 bearers for providing different types of services to the stationary equipment unit, the
3 different types of services including one of a voice service, a video service, and a data
4 traffic service.

1 22. The method of claim 14, 15, or 17, wherein the essentially fixed location
2 physical link is one of the following: (1) a wire line link; (2) an optical link; (3) a
3 radio link of a radio access network which does not involve mobility management.

1 23. The method of claim 14, 15, or 17, further comprising using as the packets
2 of the transport protocol one of Internet Transport Protocol (IP) packets and
3 Asynchronous Transfer Mode (ATM) packets.

1 24. A stationary equipment unit comprising:
2 means for forming a physical connection to a network by a non-radio fixed
3 position physical link;
4 means for executing plural media services;
5 a protocol stack which, for the plural media services, utilizes dynamically
6 established access bearers which are mapped into packets of a transport protocol of the
7 essentially fixed location physical link.

1 25. The apparatus of claim 24, wherein differing ones of the multiple access
2 bearers are configured for utilization by differing types of media services.

1 26. The apparatus of claim 25, wherein the different types of services including
2 one of voice services, video services, and data traffic services.

1 27. The apparatus of claim 24, wherein the multiple access bearers do not
2 necessarily have a same bandwidth and a same quality of service capabilities.

1 28. The apparatus of claim 24, wherein the multiple simultaneous access bearers
2 include both circuit switched access bearers and packet switched access bearers.

1 29. The apparatus of claim 24, wherein the essentially fixed location physical
2 link is one of the following: (1) a wire line link; (2) an optical link; (3) a radio link of
3 a radio access network which does not involve mobility management..

1 30. The apparatus of claim 24, wherein the packets of the transport protocol are
2 one of Internet Transport Protocol (IP) packets and Asynchronous Transfer Mode
3 (ATM) packets.

1 31. The apparatus of claim 24, further comprising means for providing mobile
2 termination across a radio interface.

1 32. The apparatus of claim 24, further comprising a USIM card.